

Appl No.: 10/791,564
Art Unit: 2618

DRAFT

Docket No. 678-1178 (P11069)
Customer No. 66547

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A portable terminal comprising:

a first housing;

a hinge housing installed at an end of the first housing, for defining a first hinge axis along a width direction of the first housing and a second hinge axis perpendicular to the first hinge axis;

a second housing connected to the first housing by the hinge housing, for rotating about the first hinge axis to an opened state or a closed state with respect to the first housing; and

a sub-housing mounted to an outer surface of the first housing and having a camera module, ~~wherein an optical axis of the camera module is~~ the camera module receiving a camera lens facing in a direction parallel with the first hinge axis.

2. (Original) The portable terminal of claim 1, further comprising a built-in battery in the first housing.

3. (Original) The portable terminal of claim 1, wherein the hinge housing comprises a center hinge arm at the upper center of the first housing and a pair of side hinge arms protruding from both sides of the hinge housing and combined with the center hinge arm.

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4. (Original) The portable terminal of claim 1, further comprising a touch pen having a protrusion at the top end of the touch pen, wherein the first housing comprises a hole for receiving the touch pen with the protrusion of the touch pen retained at the entrance of the hole.
5. (Original) The portable terminal of claim 1, wherein the camera module comprises a camera lens at an end of the camera module and a viewfinder at an other end of the camera module.
6. (Original) The portable terminal of claim 1, wherein the sub-housing further comprises a sub-LCD and at least one operation key arranged on an edge of the sub-housing.
7. (Previously Presented) The portable terminal of claim 3, wherein the second housing is rotatable about the second hinge axis, with respect to the first housing.
8. (Currently Amended) A portable terminal comprising:
- a first housing;
 - a hinge housing formed at an end of the first housing, for defining a first hinge axis along a width direction of the first housing and a second hinge axis perpendicular to the first hinge axis;
 - a second housing connected to the first housing by the hinge housing, for rotating about the first hinge axis to an opened state or a closed state with respect to the first housing; and
 - a detachable sub-housing mounted to an outer surface of the first housing and having a camera module, ~~wherein an optical axis of the camera module~~ receiving a camera lens facing in a direction parallel with the first hinge axis when the sub-housing is mounted to the first housing.

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9. (Original) The portable terminal of claim 8, wherein the camera module is installed along the first hinge axis with the sub-housing mounted to the first housing, and can be positioned at a desired height and angle when the sub-housing is removed from the first housing.
10. (Original) The portable terminal of claim 8, further comprising a built-in battery in the first housing, and a detachable large-capacity battery that can be attached to the first housing when the sub-housing is removed.
11. (Original) The portable terminal of claim 10, wherein the detachable large-capacity battery attaches in a position formerly occupied by the sub-housing.
12. (Original) The portable terminal of claim 8, wherein the first housing comprises a first short-range communication module, and the sub-housing further comprises a second short-range communication module, for short-range communication between the first housing and the sub-housing.
13. (Original) The portable terminal of claim 8, wherein the hinge housing comprises a center hinge arm at the upper center of the first housing and a pair of side hinge arms protruding from both sides of the hinge housing and combined with the center hinge arm.
14. (Previously Presented) The portable terminal of claim 8, further comprising a touch pen having a protrusion at an end of the touch pen, wherein the first housing comprises a hole for receiving the touch pen with the protrusion of the touch pen retained at the entrance of the hole.
15. (Original) The portable terminal of claim 8, wherein the camera module comprises a camera lens at an end of the camera module and a viewfinder at an other end of the camera module.
16. (Original) The portable terminal of claim 8, wherein the sub-housing further comprises a sub-LCD and at least one operation key arranged on an edge of the sub-housing.

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17. (Original) The portable terminal of claim 12, wherein as the sub-housing is removed from the first housing, the short-range communication modules are activated and as the sub-housing is mounted to the first housing, the short-range communication modules are deactivated.

18. (Original) The portable terminal of claim 8, wherein the sub-housing further comprises a microphone positioned on the outer surface of the sub-housing.

19. (Original) The portable terminal of claim 8, wherein the first housing comprises a first connector and the sub-housing further comprises a second connector, for electric connection between the sub-housing and the first housing when the sub-housing is mounted to the first housing.